

National Functional Guidelines Report #03

Lab DATA(ALS Environmental) SDG F2A54 Case 43795 Contract EPW11037 Region 6 DDTID 183118 SOW SOM01.2

Data Review Reports

Blanks

Blanks	VOA_Low_Med
VLB11	The following volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated method blank common contaminant concentration is less than 2x the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	F2A54, F2A56, F2A58, F2A60, F2A60RE, F2A62, F2A62RE, F2A64, F2A66, F2A80, F2A82, F2A84, F2A86, F2A88, F2A90, F2A92, F2B08, F2B10, F2B12, F2B20, F2B22, F2B24
	Methylene chloride F2A54, F2A56, F2A58, F2A60, F2A60RE, F2A62, F2A62RE, F2A64, F2A66, F2A80, F2A82, F2A84, F2A86, F2A88, F2A90, F2A92, F2B08, F2B10, F2B12, F2B20, F2B22, F2B24
Blanks	VOA_Low_Med
VLB12	The following volatile samples have analyte concentrations reported less than the CRQL. The associated method blank concentration is less than the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	F2A58, F2A60, F2A60RE, F2A62, F2A90, F2B12
	Tetrachloroethene F2A60, F2A62
	Toluene F2A58, F2A60, F2A60RE, F2A62, F2A90, F2B12
Blanks	VOA_Low_Med
VLB46	The following volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated storage blank common contaminant concentration is less than 2x the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	F2A54, F2A56, F2A58, F2A60, F2A60RE, F2A62, F2A62RE, F2A64, F2A66, F2A80, F2A82, F2A84, F2A86, F2A88, F2A90, F2A92, F2B08, F2B10, F2B12, F2B20, F2B22, F2B24
	Methylene chloride F2A54, F2A56, F2A58, F2A60, F2A60RE, F2A62, F2A62RE, F2A64, F2A66, F2A80, F2A82, F2A84, F2A86, F2A88, F2A90, F2A92, F2B08, F2B10, F2B12, F2B20, F2B22, F2B24
Blanks	VOA_Low_Med
VLB47	The following volatile samples have analyte concentrations reported less than the CRQL. The associated storage blank concentration is less than the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	F2A54, F2A56, F2A58, F2A60, F2A60RE, F2A62, F2A64, F2A84, F2A86, F2A90, F2B08, F2B12
	Tetrachloroethene F2A60, F2A62
	m,p-Xylene F2A54, F2A56, F2A60RE, F2A64, F2A84, F2A86, F2A90, F2B08, F2B12
	Toluene F2A58, F2A60, F2A60RE, F2A62, F2A90, F2B12
	Ethylbenzene F2A60, F2A62
	o-Xylene F2A62
Blanks	VOA_Low_Med
VLB48	The following volatile samples have analyte concentrations reported greater than or equal to the CRQL. The associated storage blank is less than the concentration criteria. Detected and nondetected compounds are not qualified.
	F2A60, F2A62
	m,p-Xylene F2A60, F2A62
	o-Xylene F2A60

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Continuing Calibration Verification

Continuing Calibration Verification	VOA_Low_Med
VC14	The following volatile samples are associated with a CCV with relative response factors (RRF50) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified R. F2A54, F2A56, F2A58, F2A60, F2A60RE, F2A62, F2A62RE, F2A64, F2A66, F2A80, F2A82, F2A84, F2A86, F2A88, F2A90, F2A92, F2B08, F2B10, F2B12, F2B20, F2B22, F2B24, VBLKS1, VBLKS2, VBLKS3, VHBLKS1
	1,4-Dioxane VSTD050S1, VSTD050S3, VSTD050S4, VSTD050SB
	F2A54, F2A56, F2A58, F2A60, F2A60RE, F2A62, F2A62RE, F2A64, F2A66, F2A80, F2A82, F2A84, F2A86, F2A88, F2A90, F2A92, F2B08, F2B10, F2B12, F2B20, F2B22, F2B24, VBLKS1, VBLKS2, VBLKS3, VHBLKS1

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DMC/Surrogate

DMC/Surrogate	VOA_Low_Med
VDSS3	The following volatile samples have DMC/SMC recoveries above the upper limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are not qualified.
	F2B20
	1,2-Dichloroethane-d4 F2B20
	1,1,1-Trichloroethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,2-Dibromoethane, 1,2-Dichloroethane, Carbon tetrachloride, Methyl acetate, Methyl tert-butyl ether, Methylene chloride, Trichlorofluoromethane

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Detection Limit

Detection Limit	VOA_Low_Med
VDL1	The following volatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	F2A54, F2A56, F2A58, F2A60, F2A60RE, F2A62, F2A62RE, F2A64, F2A66, F2A80, F2A82, F2A84, F2A86, F2A88, F2A90, F2A92, F2B08, F2B10, F2B12, F2B20, F2B22, F2B24, VBLKS1, VBLKS2, VBLKS3, VHBLKS1
	Styrene VBLKS3
	Tetrachloroethene F2A60, F2A62, VBLKS1, VBLKS2, VHBLKS1
	Trichloroethene F2A60
	Trichlorofluoromethane F2A54, F2A56, F2A58, F2A60, F2A60RE, F2A62, F2A64, F2A66, F2A80, F2A82, F2A84, F2A86, F2A88, F2A90, F2A92, F2B08, F2B10, F2B12, F2B20, F2B22, F2B24
	Toluene F2A58, F2A60, F2A60RE, F2A62, F2A90, F2B12, VBLKS1, VBLKS3, VHBLKS1
	1,2,3-Trichlorobenzene VBLKS1, VBLKS2, VBLKS3
	1,4-Dichlorobenzene VBLKS3
	2-Butanone F2A60, F2A60RE
	Carbon disulfide F2A66
	Chloroform F2A62RE, F2A86, F2B22
	Isopropylbenzene F2A60, F2B08
	1,2-Dichlorobenzene VBLKS3
	m,p-Xylene F2A54, F2A56, F2A60RE, F2A64, F2A84, F2A86, F2A90, F2B08, F2B12, VBLKS3, VHBLKS1
	Methyl tert-butyl ether F2A92
	Ethylbenzene F2A60, F2A62, VBLKS3, VHBLKS1
	Acetone F2A60RE, F2A64, F2A66, F2A90, F2A92, F2B10, F2B22, F2B24
	o-Xylene F2A62, VBLKS3, VHBLKS1
	1,2,4-Trichlorobenzene VBLKS1, VBLKS2, VBLKS3
	1,3-Dichlorobenzene VBLKS3
	Methylene chloride F2A54, F2A56, F2A58, F2A60, F2A60RE, F2A62, F2A62RE, F2A64, F2A66, F2A80, F2A82, F2A84, F2A86, F2A88, F2A90, F2A92, F2B08, F2B10, F2B12, F2B20, F2B22, F2B24, VBLKS1, VBLKS2, VBLKS3, VHBLKS1

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Initial Calibration

Initial Calibration		VOA_Low_Med
VC15		The following volatile samples are associated with an initial calibration with relative response factors (RRFs) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified R.
F2A54, F2A56, F2A58, F2A60, F2A60RE, F2A62, F2A62RE, F2A64, F2A66, F2A80, F2A82, F2A84, F2A86, F2A88, F2A90, F2A92, F2B08, F2B10, F2B12, F2B20, F2B22, F2B24, VBLKS1, VBLKS2, VBLKS3, VHBLKS1		
1,4-Dioxane VSTD005BS, VSTD005SS, VSTD010BS, VSTD010SS, VSTD050BS, VSTD050SS, VSTD100BS, VSTD100SS, VSTD200BS, VSTD200SS		
F2A54, F2A56, F2A58, F2A60, F2A60RE, F2A62, F2A62RE, F2A64, F2A66, F2A80, F2A82, F2A84, F2A86, F2A88, F2A90, F2A92, F2B08, F2B10, F2B12, F2B20, F2B22, F2B24, VBLKS1, VBLKS2, VBLKS3, VHBLKS1		
Initial Calibration		VOA_Low_Med
VC20		The following volatile samples are associated with an initial calibration in which a DMC did not meet relative response factor (RRF) criteria. Detected and nondetected compounds are not qualified.
F2A54, F2A56, F2A58, F2A60, F2A60RE, F2A62, F2A62RE, F2A64, F2A66, F2A80, F2A82, F2A84, F2A86, F2A88, F2A90, F2A92, F2B08, F2B10, F2B12, F2B20, F2B22, F2B24, VBLKS1, VBLKS2, VBLKS3, VHBLKS1		
1,4-Dioxane-d8 VSTD005BS, VSTD005SS, VSTD010BS, VSTD010SS, VSTD050BS, VSTD050SS, VSTD100BS, VSTD100SS, VSTD200BS, VSTD200SS		
F2A54, F2A56, F2A58, F2A60, F2A60RE, F2A62, F2A62RE, F2A64, F2A66, F2A80, F2A82, F2A84, F2A86, F2A88, F2A90, F2A92, F2B08, F2B10, F2B12, F2B20, F2B22, F2B24, VBLKS1, VBLKS2, VBLKS3, VHBLKS1		
Initial Calibration		VOA_Low_Med
VC6		The following volatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detected compounds are qualified J. Nondetected compounds are not qualified. Use professional judgement to qualify non-detected compounds.
VBLKS3, VHBLKS1		
1,2,3-Trichlorobenzene VSTD005BS		
VBLKS3, VHBLKS1		

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Internal Standard

Internal Standard	VOA_Low_Med
VIS31	The following volatile samples have internal standard area counts that are outside the lower limit of primary criteria. Detected compounds are qualified J. Nondetected compounds are qualified R.
	F2A60, F2A60RE, F2A62, F2A62RE
	1,4-Dichlorobenzene-d4 F2A60, F2A60RE, F2A62, F2A62RE
	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromoform

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TIC

TIC	VOA_Low_Med
VTIC1	A library search indicates a match at or above 85% for a TIC compound in the volatile sample. Detected compounds are qualified NJ. Nondetected compounds are not qualified.
	F2A60RE, F2B10
	(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene F2A60RE, F2B10
	D-Limonene F2A60RE
TIC	VOA_Low_Med
VTIC2	A library search indicates a match below 85% for a TIC compound in the volatile sample. Detected compounds are qualified J. Nondetected compounds are not qualified.
	F2A62, F2A64, F2A86
	Unknown Butanoic acid, heptafluoro-, ethyl ester F2A62
	Unknown Fluorocarbon F2A62, F2A86
	Unknown DL-Glyceraldehyde, di/heptafluorobutyrate F2A86
	Unknown Hexane, tetradecafluoro- F2A64